

Patent [19]

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[54] RIGID AXLE SUSPENSION OF VEHICLE

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To provide a rigid axle suspension of a vehicle which can reduce in-vehicle noises by damping vibrations originating from a road surface and transmitted to lower wall component members from a rigid axle which pivotally supports wheels.

SOLUTION: This suspension includes a subframe 2 comprising front and rear right and left mounting portions J1, J2, J3 formed at the lower wall component members 11, 12 of a vehicle body, right and left extending members 14 each tightly coupled at its right and left ends to the mounting portions, and a pair of right and left longitudinally extending members 5 fixedly joined at their rear ends to the portions of the right and left extending members which are a predetermined amount away from right and left ends toward the center of the vehicle body, and tightly coupled at their front ends to the front right and left mounting portions J1, J3; a link mechanism 4 whereby a rigid axle 3 pivotally supporting wheels 1 is connected to the subframe 2 in a manner permitting its relative vertical movement; and a coil spring 7 for transmitting road surface reaction from the rigid axle 3 to a spring receiver 6 formed on each longitudinally extending member 5.

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